

# 2002 WSDOT Highway Construction Strategic Directions Plan

## Vision

*We envision OneDOT highway construction program that delivers quality projects safely and efficiently, minimizes delays to the traveling public and rewards innovation.*

## Strategic Goals

1. Safety
2. Customer Focused Design and Construction
3. Quality
4. Efficiency
5. Environmental
6. Recognition

**1. Safety Strategic Goal: *Provide a safe work environment for workers and motorists.***

### **Strategic Directions**

- ◆ Work zone safety task force
  - ◆ Continue to advocate for construction projects
  - ◆ Design in Safety
- ◆ Reduce worker exposure
  - ◆ More work behind barrier
  - ◆ More use of closures
  - ◆ Reduced construction speed
  - ◆ Increased use of standard details
    - ◆ Air locks
    - ◆ Cones across closed lanes

**2. Customer Focus Strategic Goal: *Provide timely and accurate public information and minimize delays in construction work zones.***

### **Strategic Directions**

- ◆ Innovative contracting-time savings
  - ◆ Fixed start dates - Flexible start dates
  - ◆ A+B bidding
  - ◆ Lane Rental

- ◆Design process coordination
  - ◆Involvement in Constructibility reviews
  - ◆Involvement in establishment of working Days
  - ◆Involvement in staging of projects
- ◆Timely public information

**3. Quality Strategic Goal: *Increase the quality and durability of our constructed product.***

**Strategic Directions**

- ◆Warranties
  - ◆Determine warranty needs
  - ◆Develop trial specs and trial projects
- ◆Pavement Smoothness
  - ◆Determine threshold of smoothness
  - ◆Determine realistic improvement matrix
  - ◆Develop consistency in specs
- ◆Superpave
  - ◆Move ahead on implementation plan
  - ◆10 to 15 volumetric projects in 2002
  - ◆20 % of mix designs
- ◆Research
  - ◆Implement proven techniques
  - ◆Test & pilot new technologies
- ◆Density Differentials
  - ◆Implement trial specification using systematic density testing, infrared images, and thermal guns
  - ◆Develop and implement consistent MTV/MTD specification
- ◆Quality Systems Plan

**4. Efficiency Strategic Goal: *Improve the efficiency of our process, policies and procedures.***

**Strategic Direction**

- ◆Process streamlining
  - ◆Force Account

## 2002 Strategic Direction

- ◆EEO
- ◆Electronic Bidding
- ◆On line Plans
- ◆Consolidation of Region Specials into Statewide GSP's
- ◆Statistical Acceptance
  - ◆Expand to other areas of opportunity
- ◆Performance based specifications
  - ◆Continue to develop performance based and performance related specifications
  - ◆Convert method specs to performance based specs
- ◆Material Risk Analysis
  - ◆Expand risk analysis in systematic manner
- ◆National testing standards
  - ◆Continue to expand use of AASHTO and ASTM standards
- ◆Training
  - ◆Project Management Training
  - ◆Environmental Training
  - ◆Structural inspection
  - ◆Shaft Construction
- ◆Partnerships
  - ◆AGC/WSDOT Teams
    - ◆Develop and refine specifications
    - ◆Sounding board for new ideas
    - ◆Discuss Constructibility issues
  - ◆Sharing information with other states
    - ◆AASHTO/WASHTO involvement
    - ◆Joint meetings with adjoining states

### **5. Recognition Strategic Goal: *Recognize achievements in Safety, Customer Focus, Quality, Efficiency and Environmental as a part of the successful delivery of highway construction projects.***

#### **Strategic Direction**

- ◆Partnership for excellence in contract administration (AGC-WSDOT)
- ◆Annual paving Awards (APAW-WSDOT)
  - ◆Publicize criteria

### **6. Environmental Strategic Goal: *Deliver highway construction projects in compliance with environmental laws and regulations.***

**Strategic Direction**

- ◆ Good steward of environment - Doing the right thing
- ◆ Encourage recycling of materials
  - ◆ Lifecycle cost analysis of recycled materials
  - ◆ Must meet specification(s)
  - ◆ Must meet economic (free market) conditions
  - ◆ Must meet toxicology tests
  - ◆ Publicize what we already do/allow
    - ◆ Crumb rubber
    - ◆ Glass cullet
    - ◆ ACP recycle
    - ◆ Harvest of native plants